



1652

PATENT
Attorney Docket No. A-64789-3/RFT/RMS/RMK
Dorsey File No. 463037-00104

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Thomas J. MEADE

U.S. Serial No.: 09/841,809

Filing Date: April 24, 2001

For: *Detection of Analytes Using Reorganization Energy*

Examiner: Monshipouri, Maryam

Art Unit: 1652

CERTIFICATE OF MAILING

I hereby certify that this correspondence, including listed enclosures, is being deposited with sufficient postage with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. BOX 1450, Alexandria, VA 22313-1450.

Date: June 25 2004
Signed: Careyna Peralta
Careyna Peralta

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
AND
STATEMENT OF RELATEDNESS**

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying Form PTO/SB/08A-B, substitute for Form PTO-1449. Copies of the references are enclosed herewith.

With respect to patent applications, the applicants point out their duty under M.P.E.P. §2001.06(b) to disclose relevant patent applications of which they are aware. To this end, the applicants draw the Examiner's attention to the following patent applications:

1. U.S.S.N. 08/873,597, filed June 12, 1997;
2. U.S.S.N. 08/873,978, filed June 12, 1997; and
3. U.S.S.N. 09/557,577, filed April 21, 2000.

U.S. Serial No.: 09/841,809
Filing Date: April 24, 2001

None of the foregoing references is believed to disclose the invention as claimed.

Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application.

Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

As far as is known to the undersigned, this Supplemental Information Disclosure Statement is being filed within three months of the filing date of a national application, within three months of the date of entry of the national state in an international application, or before the mailing date of a first Office Action on the merits as set forth in 37 C.F.R. § 1.97(b), and therefore no fee is required.

While no fee is believed to be due, if this belief is in error the Commissioner is authorized to charge any additional fees, including extension fees or other relief which may be required, or credit any overpayment to Deposit Account No. 50-2319 (Our Order No. 463037-00104 [A-64789-3/RFT/RMS/RMK]).

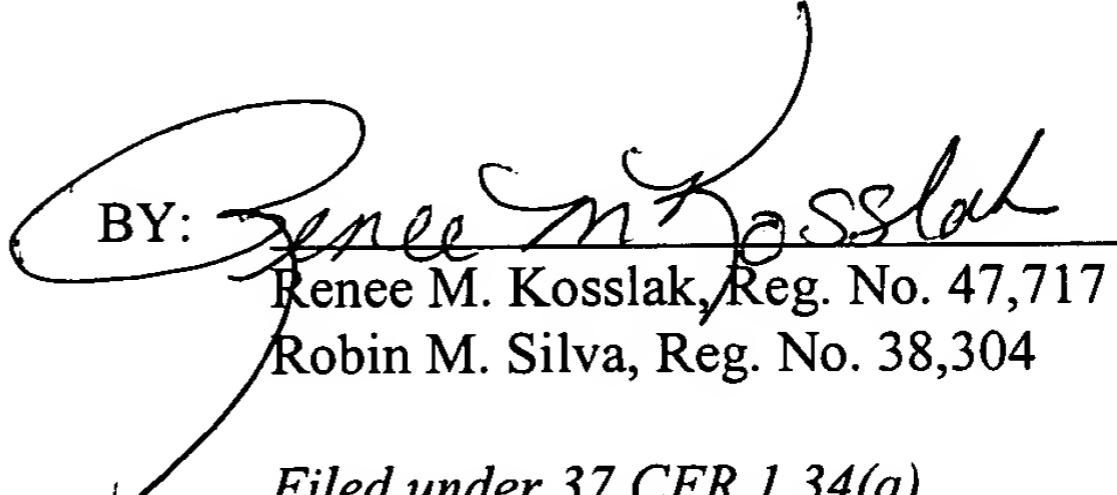
U.S. Serial No.: 09/841,809
Filing Date: April 24, 2001

Please direct any calls in connection with this application to the undersigned at
(415) 781-1989.

Respectfully submitted,
DORSEY & WHITNEY LLP

Dated: 6/25/04

Dorsey & Whitney LLP
Intellectual Property Department
Four Embarcadero Center, Suite 3400
San Francisco, CA 94111-4187
Telephone: (415) 781-1989
Facsimile: (415) 398-3249

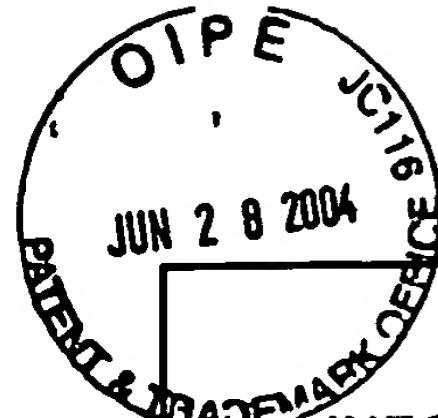
BY: 
Renee M. Kossak, Reg. No. 47,717 for
Robin M. Silva, Reg. No. 38,304

Filed under 37 CFR 1.34(a)

Customer Number: 32940

Attachments:

Form PTO/SB/08A-B, substitute for Form PTO-1449
Seventy-three (73) references



Substitute for form 1449A/PTO
(Modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Sheet	1	of	4	Attorney Docket Number	A-64789-3/RFT/RMS/RMK (463037-00104)
Application Number	09/841,809				
Filing Date	April 24, 2001				
First Named Inventor	Thomas J. MEADE				
Art Unit	1652				
Examiner Name	Monshipouri, Maryam				

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
A1	5,238,808		08-24-1993	Bard et al.	
A2	5,308,754		05-03-1994	Kankare et al.	
A3	5,532,128		07-02-1996	Eggers et al.	
A4	5,565,322		10-15-1996	Heller	
A5	5,653,939		08-05-1997	Hollis et al.	
A6	5,670,322		09-23-1997	Eggers et al.	
A7	5,837,859		11-17-1998	Teoule et al.	
A8	5,846,708		12-08-1998	Hollis et al.	
A9	5,871,918		02-16-1999	Thorp et al.	
A10	5,874,046		02-23-1999	Megerle	
A11	5,891,630		04-06-1999	Eggers et al.	
A12	5,929,208		07-27-1999	Heller et al.	
A13	5,942,388		08-24-1999	Willner et al.	
A14	5,942,397		08-24-1999	Tarlov et al.	
A15	5,952,172		09-14-1999	Meade et al.	
A16	6,013,170		01-11-2000	Meade	
A17	6,013,459		01-11-2000	Meade	
A18	6,017,696		01-25-2000	Heller	
A19	6,048,690		04-11-2000	Heller et al.	
A20	6,051,380		04-18-2000	Sosnowski et al.	
A21	6,066,448		05-23-2000	Wohlstadter et al.	
A22	6,090,545		07-18-2000	Wohlstadter et al.	
A23	6,090,933		07-18-2000	Kayyem et al.	
A24	6,096,500		08-01-2000	Oprandy et al.	
A25	6,127,127		10-03-2000	Eckhardt et al.,	
A26	6,140,045		10-31-2000	Wohlstadter et al.	
A27	6,162,603		12-19-2000	Heller	
A28	6,197,515 B1		03-06-2001	Bamdad et al.	
A29	6,221,583 B1		04-24-2001	Kayyem et al.	
A30	6,232,062 B1		05-15-2001	Kayyem et al.	
A31	6,248,229 B1		06-19-2001	Meade	

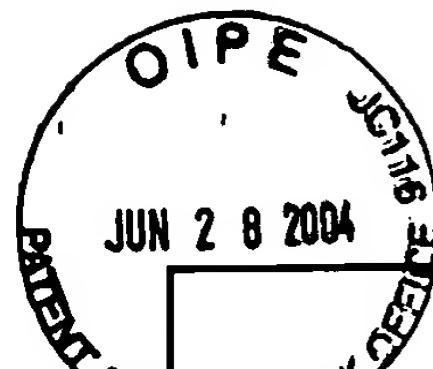
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¹Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO
(Modified)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

				Complete if Known	
Application Number	09/841,809				
Filing Date	April 24, 2001				
First Named Inventor	Thomas J. MEADE				
Art Unit	1652				
Examiner Name	Monshipouri, Maryam				
Sheet	2	of	4	Attorney Docket Number	A-64789-3/RFT/RMS/RMK (463037-00104)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
A32	6,258,545 B1		07-10-2001	Meade et al.	
A33	6,268,149 B1		07-31-2001	Meade et al.	
A34	6,268,150 B1		07-31-2001	Meade et al.	
A35	6,277,576 B1		08-21-2001	Meade et al.	
A36	6,291,188 B1		09-18-2001	Meade et al.	
A37	6,306,584 B1		10-23-2001	Bamdad	
A38	6,322,979 B1		11-27-2001	Bamdad et al.	
A39	6,331,274 B1		12-18-2001	Ackley et al.	
A40	6,379,897 B1		04-30-2002	Weidenhammer et al.	
A41	6,395,493 B1		05-28-2002	Sosnowski et al.	
A42	6,479,240 B1		11-12-2002	Kayyem et al.	
A43	6,495,323 B1		12-17-2002	Kayyem et al.	
A44	6,528,266 B2		03-04-2003	Meade et al.	
A45	2001/0034033 A1		10-25-2001	Meade et al.	
A46	2002/0009810 A1		01-24-2002	O'Connor et al.	
A47	2003/0003473 A1		01-02-2003	Kayyem et al.	
A48	2003/0148328 A1		08-07-2003	Kayyem et al.	
A49	2003/0150723 A1		08-14-2003	Kayyem et al.	
A50	2003/0170677 A1		09-11-2003	Meade et al.	
A51	2004/0101890 A1		05-27-2004	Meade et al.	
A52					
A53					

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code ² Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
B1	EP 0478319 B1		04-01-1992	Toshiba		
B2	EP 0668502 B1		05-22-2002	Yissum Research Development		
B3	WO 98/12539 A1		03-26-1998	Meso Scale Technologies, LLC		

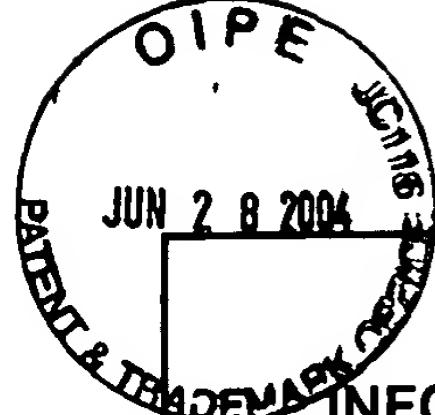
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Substitute for form 1449A/PTO (Modified)				Complete if Known	
				Application Number	09/841,809
				Filing Date	April 24, 2001
				First Named Inventor	Thomas J. MEADE
				Art Unit	1652
				Examiner Name	Monshipouri, Maryam
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	B4	WO 98/31839 A2, A3	07-23-1998	Presidents & Fellows of Harvard College		
	B5	WO 98/57158 A1	12-17-1998	Clinical Micro Sensors		
	B6	WO 99/57317 A1	11-11-1999	Clinical Micro Sensors		
	B7	WO 99/57319 A1	11-11-1999	Clinical Micro Sensors		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	C1	BAIN et al., "Formation of Monolayers by the Coadsorption of Thiols on Gold: Variation in the Length of the Alkyl Chain," Journal of the American Chemical Society, 1989, 111:7164-7175.	
	C2	BAMDAD, C., "A DNA Self-Assembled Monolayer for the Specific Attachment of Unmodified Double - or Single Stranded DNA," Biophysical Journal, 1988, 55:1997-2003.	
	C3	BJERRUM et al., "Electron Transfer in Ruthenium-Modified Proteins," Journal of Bioenergetics Biomembranes, 1995, 27(3):295-302.	
	C4	CARUANA, D. J., et al., "Enzyme-Amplified Amperometric Detection of Hybridization and of a Single Base Pair Mutation in an 18-Base Oligonucleotide on a 7-μm-Diameter Microelectrode," Journal of the American Chemical Society, 1999, 121:769-774.	
	C5	DUTTON et al., "Quantum biomechanics of long-range electron transfer in protein: Hydrogen bonds and reorganization energies," Proceedings of the National Academy of Science USA, 1994, 91:10247-10250.	
	C6	HSUEH et al., "Electrochemically Directed Self-Assembly on Gold," Agnew Chemistry International Edition, 2000, 39(7):1227-1230.	
	C7	IHARA et al., "Ferrocene-oligonucleotide conjugates for electrochemical probing of DNA," Nucleic Acids Research, 1996, 24(21):4273-4280.	
	C8	KRIDER, E. S., et al., "Automated Synthesis of 3' Metalated Oligonucleotides," Inorganic Chemistry, 2001, 40:4002-4009.	
	C9	KRIDER, E. S., et al., "Electron transfer in DNA: covalent attachment of spectroscopically unique donor and acceptor complexes," JBIC, 1998, 3:222-225.	
	C10	LAIBINIS et al., "Orthogonal Self-Assembled Monolayers: Alkanethiols on Gold and Alkane Carboxylic Acids on Alumina," Science, 1989, 245:845-847.	
	C11	LANGEN et al., "Electron Tunneling in Proteins: Coupling Through a β Strand," Science, 1995, 268:1733-1735.	

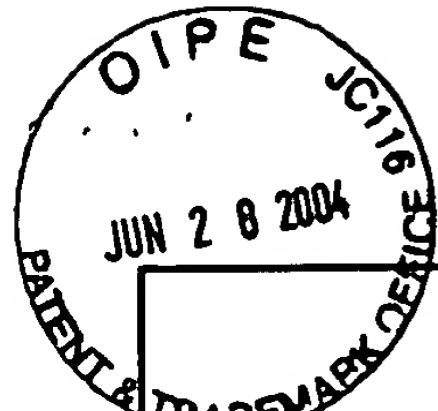
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Substitute PTO/SB/08A-B (08-03)
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE.

Substitute for form 1449A/PTO (Modified)				Complete if Known	
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				Filing Date	April 24, 2001
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				Examiner Name	Monshipouri, Maryam
Sheet	4	of	4	Attorney Docket Number	A-64789-3/RFT/RMS/RMK (463037-00104)

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	C12	MUTZ et al., "Conformational dependence of electron transfer across de novo designed metalloproteins," Proceedings of the National Academy of Science USA, 1996, 93:9521-9526.			
	C13	NAPIER et al., "Probing biomolecule recognition with electron transfer: electrochemical sensors for DNA hybridization," Bioconjugate Chemistry, 1997, 8:906-913.			
	C14	RACK, J. J., et al., "Spectroscopy and Electrochemistry of Ruthenium-Modified Nucleic Acids: Design of a Novel-Metal Binding Nucleoside," Journal of the American Chemical Society, 2000, 122:6287-6288.			
	C15	UVERSKY et al., "Effect of Natural Ligands on the Structural Properties and Conformational Stability of Proteins," Biochemistry (Moscow), 1998, 63(4):420-433.			

Examiner Signature		Date Considered
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Chen, et al. Docket No: KCX-823 (19258)

Serial No: 10/745,327 Group No: 1771

Confirmation No: 7568 Examiner: Unknown

Customer No: 22827

Filed: December 23, 2003 Date: June 25, 2004

For: Composite Structures Containing Tissue Webs And Other Nonwovens

RELATED U.S. PATENT APPLICATIONS

ASSISTANT COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

The following commonly assigned U.S. Patent Applications are being cited to the Examiner for review and consideration. Enclosed please find copies of these applications. Once the applications have been reviewed, it is requested that the Examiner place his or her initial to the left of the identified patents on the list document to indicate that the specific patent applications have been considered.

RELATED U.S. APPLICATIONS

<u>Examiner's Initial</u>	<u>Inventor</u>	<u>Serial Number</u>	<u>Filing Date</u>	<u>Title of Application</u>
_____	Siebers, et al.	10/733,162 KCX-651	12/11/2003	Disposable Scrubbing Product
_____	Zhou, et al.	10/733,169 KCX-652	12/11/2003	Disposable Scrubbing Product